

WHAT IS CLAIMED IS:

1. A flexible printed circuit cabling system for a crash test dummy comprising:

at least one centralized data-receiving unit;

a plurality of sensors arranged remotely from said at least one centralized data receiving unit to generate electrical signals of data pertaining to a vehicular collision; and

a plurality of flexible printed circuit cables electrically interconnecting said sensors and said at least one centralized data receiving unit to transmit the electrical signals from said sensors to said at least one centralized data receiving unit.

2. A flexible printed circuit cabling system as set forth in claim 1 wherein said sensors and said flexible printed circuit cables are disposed within an internal cavity of the crash test dummy.

3. A flexible printed circuit cabling system as set forth in claim 2 wherein said at least one centralized data receiving unit is disposed within the internal cavity of the crash test dummy.

4. A flexible printed circuit cabling system as set forth in claim 2 wherein said at least one centralized data receiving unit comprises a connection block and at least one of said flexible printed circuit cables being electrically connected to said connection block.

5. A flexible printed circuit cabling system as set forth in claim 4 wherein said at least one centralized data receiving unit further comprises an interposer electrically connected to said connection block.

6. A flexible printed circuit cabling system as set forth in claim 5 wherein said at least one centralized data receiving unit further comprises a data acquisition system electrically connected to said interposer and storing the data pertaining to the vehicular collision.

7. A flexible printed circuit cabling system as set forth in claim 6 including a central flexible printed circuit cable electrically interconnecting said connection block and said interposer.

8. A crash test dummy comprising:

a body;

a plurality of remote sensors operatively attached to said body and capable of generating electrical signals of data relating to a vehicular collision;

at least one centralized data receiving unit positioned away from said remote sensors and capable of receiving the electrical signals of data relating to a vehicular collision; and

a plurality of flexible printed circuit cables electrically interconnecting said remote sensors and said at least one centralized data receiving unit to transmit the electrical signals from said sensors to said at least one centralized data receiving unit.

9. A crash test dummy as set forth in claim 8 wherein said body has an internal cavity therein and said remote sensors and said flexible printed circuit cables are disposed within said internal cavity.

10. A crash test dummy as set forth in claim 8 wherein said at least one centralized data receiving unit is disposed within said internal cavity.

11. A crash test dummy as set forth in claim 8 wherein said at least one centralized data receiving unit comprises a connection block and at least one of said flexible printed circuit cables being electrically connected to said connection block.

12. A crash test dummy as set forth in claim 9 wherein said at least one centralized data receiving unit further comprises an interposer electrically connected to said connection block.

13. A crash test dummy as set forth in claim 12 wherein said at least one centralized data receiving unit further comprises a data acquisition system electrically connected to said interposer and storing the data pertaining to the vehicular collision.

14. A crash test dummy as set forth in claim 13 including a central flexible printed circuit cable electrically interconnecting said connection block and said interposer.